

# PATENT ABSTRACTS OF JAPAN

(11) Publication number : 04-282567

(43) Date of publication of application : 07.10.1992

(51) Int.Cl.

H01M 8/04

(21) Application number : 03-125635

(71) Applicant : ISHIKAWAJIMA HARIMA HEAVY  
IND CO LTD

(22) Date of filing : 11.03.1991

(72) Inventor : ONISHI KOICHI

## (54) STORING METHOD DURING STOPPING FUSED CARBONATE FUEL CELL

### (57) Abstract:

**PURPOSE:** To suppress leak gas from a cathode pole side so as to prevent an anode from oxidizing by eliminating a differential pressure between the anode and cathode poles while supplying reducing gas to an anode system by purging combustible gas.

**CONSTITUTION:** In the case of stopping a fuel cell 1 stored, shutoff valves 9, 11, 12, 14 are fully closed with valves 23, 28 fully opened and also switching a signal of an interpole differential pressure adjusting meter 15 so as to reach a control valve 27 by a switch 16. Next, inert gas is supplied through an anode inlet line 30 to purge gas in an anode system, and reducing gas concentration, when it is decreased to a specified value or less, is detected by a gas detector 36 to supply reducing gas in predetermined concentration by opening a shutoff valve 33. Here by maintaining a differential pressure between anode and cathode poles A, C to almost zero, safety against explosion can be maintained while preventing the anode pole from oxidizing by suppressing a leak of gas, containing on oxygen component, from a side of the cathode pole.

